

# ACCURATE AUTOMATION CORPORATION

7001 Shallowford Road  
Chattanooga, Tennessee 37421  
(423) 894-4646 • Fax (423) 894-4645

email: [marketing@accurate-automation.com](mailto:marketing@accurate-automation.com)  
<http://www.accurate-automation.com>

SBIR PHII Contract No. N00014-96-C-2131

High Fidelity Modeling and Imaging for Tactical and Strategic Applications

28 Feb 1997

## MONTHLY R & D PROGRESS REPORT

Covering: 1 Feb 1997 - 28 Feb 1997

Contractor's Progress, Status and Management Report (U)  
Unclassified

Report Number: AAC-96-022  
CDRL A001, A002

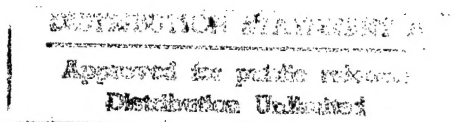
Prepared for:

Mr. Joe Johnson, COR  
Code 7601  
4555 Overlook Ave, SW  
Washington, DC 20375-5326

Tel. No. (202) 767-1286

ACCURATE AUTOMATION CORPORATION

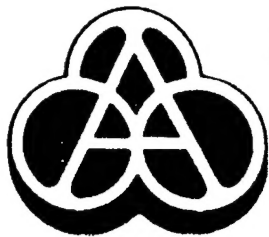
Robert M. Pap  
President



tk

Attachment: Monthly Progress Report #5

cc: ACO  
CO



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28 February 1997

## Monthly Progress Report #5:

High Fidelity Modeling and Imaging for Tactical and Strategic Applications  
Contract N00014-96-C-2131

### A. PROGRESS DURING THIS REPORTING PERIOD

During this reporting period we supported NRaD in the completion of the "TACAIR Concept of Operations and Technology Plan for Communications and Decision Aids". We continued development of the 2D visualization for the JFAC Anchor Desk. Data structures for representing the routes have been developed. Routes information can now be loaded from a mission file and displayed. The animation engines have also been developed which will allow various mission to be played out. Icons representing the assets and target aim-points have been developed and integrated into the display.

On 2/19/97 Chief of Naval Operations Code N880D, (CDR Tan, Major Hill, LCDR Steve Boz, et al) was briefed on the program. Comments received from N880D included, "... think that this concept has tremendous potential. You need to brief ADM "Carlos" Johnson, OP N880, to obtain his operational and funding support."

On 2/20/97 US Atlantic Command & Air Combat Command personnel were briefed on the program. Comments received from USACOM/ACC Langley included, "... need to talk to the JTIDS folks to get them involved."

On 2/21/97 Chief of Naval Operations Code N62 personnel, (CAPT Weddell, LCDR Treadway and Mr. Jeffrey Schweiger) were briefed on the program.

On 2/21/97 Space & Naval Warfare personnel, (Mr. Kin Searcy and Mr. J. Lochry) were briefed on the program. Mr. Searcy asked that NRaD prepare a POA&M for FY 98 tasks for SPAWAR to fund.

### B. SUMMARY OF PROBLEMS OR CONCERNS

Current funding is sufficient to last approximately until mid-April 97. Discussions with NRaD indicate that a small set of funds will be available (approximately 1 man-year for the remainder of the year). It is expected that FY98 funding will be ample to fully support the program efforts.

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### C. SUFFICIENCY OF EFFORT TO ACHIEVE OBJECTIVES

See funding discussion in para. B.

### D. PLANS FOR THE NEXT REPORTING PERIOD

We are planning to continue to develop the 2D visualization for the JFACC Anchor Desk concept. We plan to implement the ICONS and their color codes have been obtained from NSAWC. This will ensure that we are standardized with NSAWC.

We plan to implement route querying and editing capabilities. Further development of the Launch Acceptability Region will be pursued along with the neural network design.

### E. NOTES

To enlist support for the program, AAC has supported NRaD in obtaining critique and DoD high level support for the research efforts.

Sincerely,  
ACCURATE AUTOMATION CORPORATION

A handwritten signature in cursive script that reads "Richard Akita".

Richard Akita  
Principal Investigator

**CLIN A002****A. SUMMARY OF COSTS TO DATE**

As of March 1, 1997	Budgeted Amount	Cumulative Amount	Remaining Amount
	=====	=====	=====
Labor	145,228.00	25,163.89	120,064.11
Overhead	187,475.00	32,484.06	154,990.94
Consultants	29,184.00	4,940.00	24,244.00
Consult Overhead	16,760.00	2,837.05	13,922.95
Travel	34,027.00	5,969.40	28,057.60
Material	59,921.00	0.00	59,921.00
Sub - Augins	73,885.00	43,444.00	30,441.00
G&A	144,544.00	30,374.75	114,169.25
Profit 6.96%	48,196.00	10,121.36	38,074.64
	=====	=====	=====
	739,220.00	155,334.51	583,885.49
Labor Hours			
R. Akita		432	
A. Maren		101	
C. Cox		0	
Programmer		78	
Proj. Mgmt.		1	